



SGS Silver State Analytical Laboratories
3626 E. Sunset Road, Suite 100
Las Vegas, NV 89120
(702) 873-4478
www.ssalabs.com

October 23, 2024
Workorder **24100486**

Randy Sharpe
H2 Analytics
2505 Anthem Village Dr Ste E385
Henderson, NV 89052

Project: H2A-240925-1

Dear Randy Sharpe:

It is the policy of SGS Silver State Analytical Laboratory - Las Vegas to strictly adhere to a comprehensive Quality Assurance Plan that ensures the data presented in this report are both accurate and precise. SGS Silver State Analytical Laboratory - Las Vegas maintains accreditation in the State of Nevada (NV-00930).

The data presented in this report was obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within hold time for the required analyses. Any anomalies associated with the analysis of the samples have been flagged in the Analytical Report with an appropriate explanation in the Definitions & Qualifiers.

Analytical Comments for SM 4500H+ B, Sample 24100486-01A, Batch ID R95205 : Analytical Method hold time was exceeded by 1.086 days.

Sincerely,

A handwritten signature in black ink, appearing to read 'Carly Wood'. The signature is written in a cursive, flowing style.

Carly Wood
Laboratory Director
3626 E. Sunset Road, Suite 100
Las Vegas, NV 89120



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Analytical Report

Workorder#: 24100486

Date Reported: 10/23/2024

Client: H2 Analytics
Project Name: H2A-240925-1
PO #:

Sampled By: R. Sharpe

Laboratory Accreditation Number: NV930/CA3029

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24100486-01	Qlife Qcup H2 Bottle	10/08/2024 12:45	10/9/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Aluminum	EPA 200.7	< 0.0500	mg/L	0.05	JG	10/14/2024 13:08	
Antimony	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	
Arsenic	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	
Barium	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	
Beryllium	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	
Boron	EPA 200.7	< 0.0500	mg/L	0.05	JG	10/14/2024 13:08	
Cadmium	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	
Calcium	EPA 200.7	< 1.00	mg/L	1	JG	10/14/2024 13:08	
Chloride	EPA 300.0	< 0.650	mg/L	0.65	DT	10/09/2024 18:55	
Chromium	EPA200.8	1.1	µg/L	1	JG	10/14/2024 15:13	
Color	SM 2120 B	1.00	Pt-Co	1	DT	10/10/2024 17:01	
Copper	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	
Cyanide, Free	SM 4500CN E	< 0.0500	mg/L	0.05	DT	10/22/2024 10:28	
Fluoride	EPA 300.0	< 0.200	mg/L	0.2	DT	10/09/2024 18:55	
Hardness (As CaCO3)	SM 2340 B	ND	mg/L	1	MM	10/23/2024 11:13	
Hardness, Calcium (As CaCO3)	SM 2340 B	ND	mg/L	1	MM	10/23/2024 11:13	
Hardness, Magnesium (As CaCO3)	SM 2340 B	ND	mg/L	1	MM	10/23/2024 11:13	
Iron	EPA 200.7	< 0.100	mg/L	0.1	JG	10/14/2024 13:08	
Lead	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	
Magnesium	EPA 200.7	< 1.00	mg/L	1	JG	10/14/2024 13:08	
Manganese	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	
MBAS	SM 5540 C	ND	mg/L	0.138	DT	10/10/2024 11:04	
Nickel	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	
Nitrate as N	EPA 300.0	< 0.400	mg/L	0.4	DT	10/09/2024 18:55	
Nitrite as N	EPA 300.0	< 0.0500	mg/L	0.05	DT	10/09/2024 18:55	
Odor	SM 2150 B	41.9	T.O.N.	1	EAT	10/09/2024 11:52	
pH	SM 4500H+ B	5.01	pH Units		LJ	10/09/2024 15:18	H
Platinum	EPA 6010B	< 0.200	mg/Kg	0.2	JG	10/10/2024 17:04	
Selenium	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	S
Silica, Dissolved (as SiO2)	EPA 200.7	< 0.100	mg/L	0.1	JG	10/11/2024 14:15	
Silver	EPA200.8	< 1.0	µg/L	1	JG	10/14/2024 15:13	
Sodium	EPA 200.7	< 1.00	mg/L	1	JG	10/14/2024 13:08	
Sulfate	EPA 300.0	< 0.800	mg/L	0.8	DT	10/09/2024 18:55	
Titanium	EPA 200.7	< 0.200	mg/L	0.2	JG	10/11/2024 15:03	
Zinc	EPA200.8	< 10	µg/L	10	JG	10/14/2024 15:13	



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Quality Control Report

WO#: 24100486
 10/23/2024

Analysis: PH - CWA
Method: SM 4500H+ B

Batch ID: R95205

Duplicate

RunID: 95205 SeqNo 2609702 Units: pH Units
 Analysis Date: 10/9/2024 3:18:00 PM Analyst: LJ

Analyte	Result	Rep Limit	Rep Qual	RPD	Sample Value
pH	7.85		H	0.0025445	7.87



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Quality Control Report

WO#: 24100486
 10/23/2024

Duplicate

RunID: 95205 SeqNo 2609713 Units: pH Units
 Analysis Date: 10/9/2024 3:18:00 PM Analyst: LJ

Analyte	Result	Rep Limit	Rep Qual	RPD	Sample Value
pH	8.24		H	0	8.24

Laboratory Control Sample (LCS)

RunID: 95205 SeqNo 2609700 Units: pH Units
 Analysis Date: 10/9/2024 3:18:00 PM Analyst: LJ

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
pH	7.000	7.02	100								

Analysis: MBAS (surfactants) - CWA
Method: SM 5540 C

Batch ID: R95238

Method Blank

RunID: 95238 SeqNo 2610877 Units: mg/L
 Analysis Date: 10/10/2024 11:04:00 AM Analyst: DT

Analyte	Result	Rep Limit	Rep Qual
MBAS	ND	0.0690	

Laboratory Control Sample (LCS)

RunID: 95238 SeqNo 2610878 Units: mg/L
 Analysis Date: 10/10/2024 11:04:00 AM Analyst: DT

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
MBAS	0.7500	0.748	99.7								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01D

RunID: 95238 SeqNo 2610881 Units: mg/L
 Analysis Date: 10/10/2024 11:04:00 AM Analyst: DT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
MBAS	0	1.000	0.981	98.1								

Analysis: Color - Apparent
Method: SM 2120 B

Batch ID: R95266

Original



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Quality Control Report

WO#: 24100486
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Duplicate

RunID: 95266 SeqNo 2611461 Units: Pt-Co
 Analysis Date: 10/10/2024 5:01:00 PM Analyst: DT

Analyte	Result	Rep Limit	Rep Qual	RPD	Sample Value
Color	1.00	1.00		0	1

Method Blank

RunID: 95266 SeqNo 2611458 Units: Pt-Co
 Analysis Date: 10/10/2024 5:01:00 PM Analyst: DT

Analyte	Result	Rep Limit	Rep Qual
Color	< 1.00	1.00	

Laboratory Control Sample (LCS)

RunID: 95266 SeqNo 2611459 Units: Pt-Co
 Analysis Date: 10/10/2024 5:01:00 PM Analyst: DT

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Color	10.00	10.0	100								

Analysis: Metals - Precious
Method: EPA 6010B

Batch ID: R95276

Method Blank

RunID: 95276 SeqNo 2611647 Units: mg/Kg
 Analysis Date: 10/10/2024 4:56:42 PM Analyst: JG

Analyte	Result	Rep Limit	Rep Qual
Platinum	< 0.0500	0.0500	

Laboratory Control Sample (LCS)

RunID: 95276 SeqNo 2611645 Units: mg/Kg
 Analysis Date: 10/10/2024 4:51:52 PM Analyst: JG

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Platinum	1.000	1.02	102								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01B

RunID: 95276 SeqNo 2611651 Units: mg/Kg
 Analysis Date: 10/10/2024 5:06:24 PM Analyst: JG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Platinum	0	1.000	1.03	103	1.000	1.02	102	0.989	20	70	130	

Original



Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01B

RunID: 95276 SeqNo 2611652 Units: mg/Kg

Analysis Date: 10/10/2024 5:09:01 PM Analyst: JG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Platinum	0	1.000	1.02	102								

Analysis: Anions-CWA (Cl, F, NO2, NO3, SO

Method: EPA 300.0

Batch ID: R95286

Method Blank

RunID: 95286 SeqNo 2611840 Units: mg/L

Analysis Date: 10/9/2024 6:09:00 PM Analyst: DT

Analyte	Result	Rep Limit	Rep Qual
Chloride	< 0.650	0.650	
Fluoride	< 0.200	0.200	
Nitrate as N	< 0.400	0.400	
Nitrite as N	< 0.0500	0.0500	
Sulfate	< 0.800	0.800	

Laboratory Control Sample (LCS)

RunID: 95286 SeqNo 2611836 Units: mg/L

Analysis Date: 9/27/2024 9:53:00 PM Analyst: DT

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	5.000	4.82	96.4								
Fluoride	5.000	4.65	93.1								
Nitrate as N	5.000	4.71	94.1								
Nitrite as N	5.000	4.98	99.6								
Sulfate	5.000	4.84	96.8								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01A

RunID: 95286 SeqNo 2611843 Units: mg/L

Analysis Date: 10/9/2024 7:18:00 PM Analyst: DT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	0.6384	4.968	5.13	90.4	4.968	5.15	90.7	0.315	20	90	110	
Fluoride	0.1076	4.995	5.28	104	4.995	5.28	104	0.0928	20	90	110	
Nitrate as N	0.3840	4.981	5.09	94.5	4.981	5.08	94.3	0.185	20	90	110	
Nitrite as N	0	5.000	5.27	105	5.000	5.26	105	0.173	20	90	110	
Sulfate	0	5.000	5.09	102	5.000	5.11	102	0.323	20	90	110	

Original



Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01A

RunID: 95286 SeqNo 2611844 Units: mg/L

Analysis Date: 10/9/2024 7:41:00 PM Analyst: DT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	0.6384	4.968	5.15	90.7								
Fluoride	0.1076	4.995	5.28	104								
Nitrate as N	0.3840	4.981	5.08	94.3								
Nitrite as N	0	5.000	5.26	105								
Sulfate	0	5.000	5.11	102								

Analysis: Metals, 200.7 - CWA

Method: EPA 200.7

Batch ID: R95340

Method Blank

RunID: 95340 SeqNo 2613256 Units: mg/L

Analysis Date: 10/11/2024 2:58:29 PM Analyst: JG

Analyte	Result	Rep Limit	Rep Qual
Titanium	< 0.0200	0.0200	

Laboratory Control Sample (LCS)

RunID: 95340 SeqNo 2613253 Units: mg/L

Analysis Date: 10/11/2024 2:53:29 PM Analyst: JG

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Titanium	5.000	5.02	100								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01B

RunID: 95340 SeqNo 2613260 Units: mg/L

Analysis Date: 10/11/2024 3:04:21 PM Analyst: JG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Titanium	0	5.000	5.18	104	5.000	5.31	106	2.48	20	70	130	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01B

RunID: 95340 SeqNo 2613261 Units: mg/L

Analysis Date: 10/11/2024 3:05:58 PM Analyst: JG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual

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Titanium	0	5.000	5.31	106
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Analysis: Metals, 200.7 - CWA
Method: EPA 200.7

Batch ID: R95341

Method Blank

RunID: 95341 SeqNo 2613270 Units: mg/L
 Analysis Date: 10/11/2024 2:06:27 PM Analyst: JG

Analyte	Result	Rep Limit	Rep Qual
Silica, Dissolved (as SiO ₂)	< 0.100	0.100	

Laboratory Control Sample (LCS)

RunID: 95341 SeqNo 2613268 Units: mg/L
 Analysis Date: 10/11/2024 2:00:29 PM Analyst: JG

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Silica, Dissolved (as SiO ₂)	5.000	4.54	90.8								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01B
 RunID: 95341 SeqNo 2613274 Units: mg/L
 Analysis Date: 10/11/2024 2:18:20 PM Analyst: JG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Silica, Dissolved (as SiO ₂)	0	5.000	4.76	95.2	5.000	4.77	95.4	0.210	20	70	130	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01B
 RunID: 95341 SeqNo 2613275 Units: mg/L
 Analysis Date: 10/11/2024 2:21:18 PM Analyst: JG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Silica, Dissolved (as SiO ₂)	0	5.000	4.77	95.4								

Analysis: Metals, 200.7 - CWA
Method: EPA 200.7

Batch ID: R95342

Method Blank

RunID: 95342 SeqNo 2613382 Units: mg/L
 Analysis Date: 10/14/2024 12:54:14 PM Analyst: JG

Analyte	Result	Rep Limit	Rep Qual
Aluminum	< 0.0500	0.0500	
Boron	< 0.0500	0.0500	

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Calcium	< 1.00	1.00	
Iron	< 0.100	0.100	
Magnesium	< 1.00	1.00	
Sodium	< 1.00	1.00	

Laboratory Control Sample (LCS)

RunID: 95342 SeqNo 2613361 Units: mg/L
 Analysis Date: 10/14/2024 12:03:31 PM Analyst: JG

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Aluminum	10.00	9.97	99.7								
Boron	10.00	9.90	99.0								
Calcium	10.00	10.0	100								
Iron	10.00	10.0	101								
Magnesium	10.00	10.1	101								

Laboratory Control Sample (LCS)

RunID: 95342 SeqNo 2613362 Units: mg/L
 Analysis Date: 10/14/2024 12:06:17 PM Analyst: JG

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Sodium	10.00	9.72	97.2								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01B
 RunID: 95342 SeqNo 2613349 Units: mg/L
 Analysis Date: 10/14/2024 1:11:06 PM Analyst: JG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Aluminum	0	5.000	5.04	101	5.000	5.09	102	0.987	20	70	130	
Boron	0	5.000	5.03	101	5.000	5.11	102	1.58	20	70	130	
Calcium	0	20.00	20.2	101	20.00	20.6	103	1.91	20	70	130	
Iron	0	5.000	5.02	100	5.000	5.10	102	1.58	20	70	130	
Magnesium	0	20.00	20.1	101	20.00	20.5	103	1.92	20	70	130	
Sodium	0	20.00	19.4	96.9	20.00	19.8	98.8	1.94	20	70	130	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01B
 RunID: 95342 SeqNo 2613350 Units: mg/L
 Analysis Date: 10/14/2024 1:13:46 PM Analyst: JG

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Aluminum	0	5.000	5.09	102								
Boron	0	5.000	5.11	102								

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Calcium	0	20.00	20.6	103
Iron	0	5.000	5.10	102
Magnesium	0	20.00	20.5	103
Sodium	0	20.00	19.8	98.8

Analysis: Metals, 200.8 - CWA
Method: EPA200.8

Batch ID: R95426

Method Blank

RunID: 95426 SeqNo 2615610 Units: µg/L
 Analysis Date: 10/14/2024 2:36:34 PM Analyst: JG

Analyte	Result	Rep Limit	Rep Qual
Antimony	< 1.0	1.0	
Arsenic	< 1.0	1.0	
Barium	< 1.0	1.0	
Beryllium	< 1.0	1.0	
Cadmium	< 1.0	1.0	
Chromium	1.2	1.0	B
Copper	< 1.0	1.0	
Lead	< 1.0	1.0	
Manganese	< 1.0	1.0	
Nickel	< 1.0	1.0	
Selenium	< 1.0	1.0	
Silver	< 1.0	1.0	
Zinc	< 10	10	

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WO#: 24100486
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Method Blank

RunID: 95426 SeqNo 2615611 Units: µg/L
 Analysis Date: 10/14/2024 2:41:53 PM Analyst: JG

Analyte	Result	Rep Limit	Rep Qual
Antimony	< 1.0	1.0	
Arsenic	< 1.0	1.0	
Barium	< 1.0	1.0	
Beryllium	< 1.0	1.0	
Cadmium	< 1.0	1.0	
Chromium	< 2.0	2.0	
Copper	< 1.0	1.0	
Lead	< 1.0	1.0	
Manganese	< 1.0	1.0	B
Nickel	< 1.0	1.0	
Selenium	< 1.0	1.0	
Silver	< 1.0	1.0	
Zinc	< 10	10	

Analysis: Cyanide, Free
Method: SM 4500CN E

Batch ID: R95597

Method Blank

RunID: 95597 SeqNo 2621117 Units: mg/L
 Analysis Date: 10/22/2024 10:28:00 AM Analyst: DT

Analyte	Result	Rep Limit	Rep Qual
Cyanide, Free	< 0.0500	0.0500	

Laboratory Control Sample (LCS)

RunID: 95597 SeqNo 2621118 Units: mg/L
 Analysis Date: 10/22/2024 10:28:00 AM Analyst: DT

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Cyanide, Free	0.4000	0.393	98.2								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01E

RunID: 95597 SeqNo 2621121 Units: mg/L
 Analysis Date: 10/22/2024 10:28:00 AM Analyst: DT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Cyanide, Free	0	0.4000	0.423	106	0.4000	0.425	106	0.472	20	80	120	

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Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24100486-01E

RunID: 95597 SeqNo 2621122 Units: mg/L

Analysis Date: 10/22/2024 10:28:00 AM Analyst: DT

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Cyanide, Free	0	0.4000	0.425	106								



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 1135 FINANCIAL BOULEVARD, RENO, NV 89502
 Phone (775) 857-2400 Fax: (888) 398-7002 (EPA#: NV00015, CA2526)

CHAIN-OF-CUSTODY-RECORD

Report Results To:

Report Attention: Randy Sharpe Project Number: H2A-240925-1
 Company: H2 Analytics
 Mailing Address: 2505 Anthem Village Dr. Suite E385
 City, State, Zip: Henderson, NV 89052
 Phone: 719-499-2973 Email / Fax: Randy@h2-analytics.com

Send Invoice To:

Invoice Attention: Randy Sharpe PO#
 Company: H2 Analytics Quote # 2839
 Mailing Address: 2505 Anthem Village Dr. Suite E385
 City, State, Zip: Henderson, NV 89052
 Phone: 719-499-2973 Email / Fax: Randy@h2-analytics.com

ANALYSES REQUESTED

Standard: Standard TAT-7-10 Business Days. Note that some tests vary.
 Rush Same Day: 3 Day: Other (specify):
 1 Day: 4 Day: Rush results will be issued after 4:00 p.m.
 2 Day: 5 Day:
 NOTE: A Rush Surcharge is applied for rush samples

Other Pertinent Information / Special Instructions
 HISA Certification Profile B
 cc pd

QC Level Report
 I II III IV
 NOTE: Surcharges apply to Level II, III and IV reports

Send Results Via:
 Mail: Email: Fax:

Send Invoice Via:
 Mail: Email: Fax:

Field Measurements
 On-Site pH: Chlorine:
 Temperature: Other:

Date Sampled	Time Sampled	Sample Identification	SSAL - SEM Lab No.	Comp. Grab	Matrix*	Preservative**	Number / Type of Containers ***	Anions, pH	Metals, Hardness	Color, Odor	MBAS, Silica	Metals-200.8, 200.7, Precious	Cyanide-Free
10/8/24	12:45p	Clife Qcup H2 Bottle	241004803		AQ	VARIES	6	X	X	X	X	X	X

Metals: As, Ca, Cu, Fe, Pb, Mg, Mn, Na, Zn
 Al, Sb, B, Ba, Be, Cd, Cr, Ni, Se, Ag, Ti
 Precious Metals: Pt
 Anions: Chloride, Fluoride, Nitrate, Nitrite, Sulfate
 COMMENTS:

Signature	Print Name	Company	Date	Time
<i>Randy Sharpe</i>	Randy Sharpe	H2 Analytics	10/9/2024	10:32
<i>Randy Sharpe</i>	Randy Sharpe	H2 Analytics	10/9/2024	10:32

Relinquished By: Signature
 Received By: Signature
 Relinquished By: Signature
 Received By: Signature
 Relinquished By: Signature
 Received By: Signature
 Authorized By: Signature
 Received By: Signature

Authorization is required to process samples. This obligates your organization for service fees. SSAL Standard T & C's or other written agreement applies. If collections or legal services are required to recover said fees, your organization will be responsible for all fees and costs in addition to service fees.
 Matrix* DW-Drinking Water, WW-Waste Water, GW-Ground Water, SW-Surface Water, SS-Soil, S-Solid, OT-Other
 Preservative** 1=H₂SO₄, 2=HNO₃, 3=HCl, 4=NaOH, 5=Na₂S₂O₃, 6=None, 7=Other
 Container*** P-Plastic, G-Glass, V-Voa Vial, OT-Other

Samples are discarded 30 days after results are reported unless other arrangements are made and storage fees may apply.
 The analytical results associated with this COC apply only to these samples as they are received by the laboratory.
 The liability of the laboratory is limited to the amount paid for the report.



SGS Silver State Analytical Laboratories
3626 E. Sunset Road, Suite 100
Las Vegas, NV 89120
(702) 873-4478
www.ssalabs.com

Definitions & Qualifiers

WO#: 24100486

Date: 10/23/2024

Definitions:

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: LCS Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: Matrix Spike Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

RPD: Relative Percent Difference; comparison between sample and duplicate and/or MS and MSD.

PQL: Practical Quantitation Limit; the limit to which data is quantitated for reporting.

MDL: Method Detection Limit; the limit to which the instrument can reliably detect.

MCL: Maximum Contaminant Level; value set according to EPA guidelines.

TNTC: Too Numerous to Count; colony density is too thick to be individually counted or greater than method reporting requirements.

Qualifiers:

* - Analyte exceeds Safe Drinking Water Act MCL, does not meet drinking water standards.

- Laboratory not accredited for this analyte.

C - Analyte value below Safe Drinking Water Act MCL, does not meet drinking water standards.

B - Analyte found above the PQL in associated method blank.

G - Calibration blank analyte detected above PQL.

H - Sample analyzed beyond holding time for this parameter.

J - Estimated Value; Analyte found between MDL and PQL limits.

L - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.

R - RPD between sample and duplicate sample outside the RPD acceptance limits.

S - Batch MS and/or MSD were outside acceptance limits, batch LCS was acceptable.

W - Sample temperature when received was out of limit as specified by method.

Z - Batch LCS and/or LCSD were outside acceptance limits.